

FIG. 1

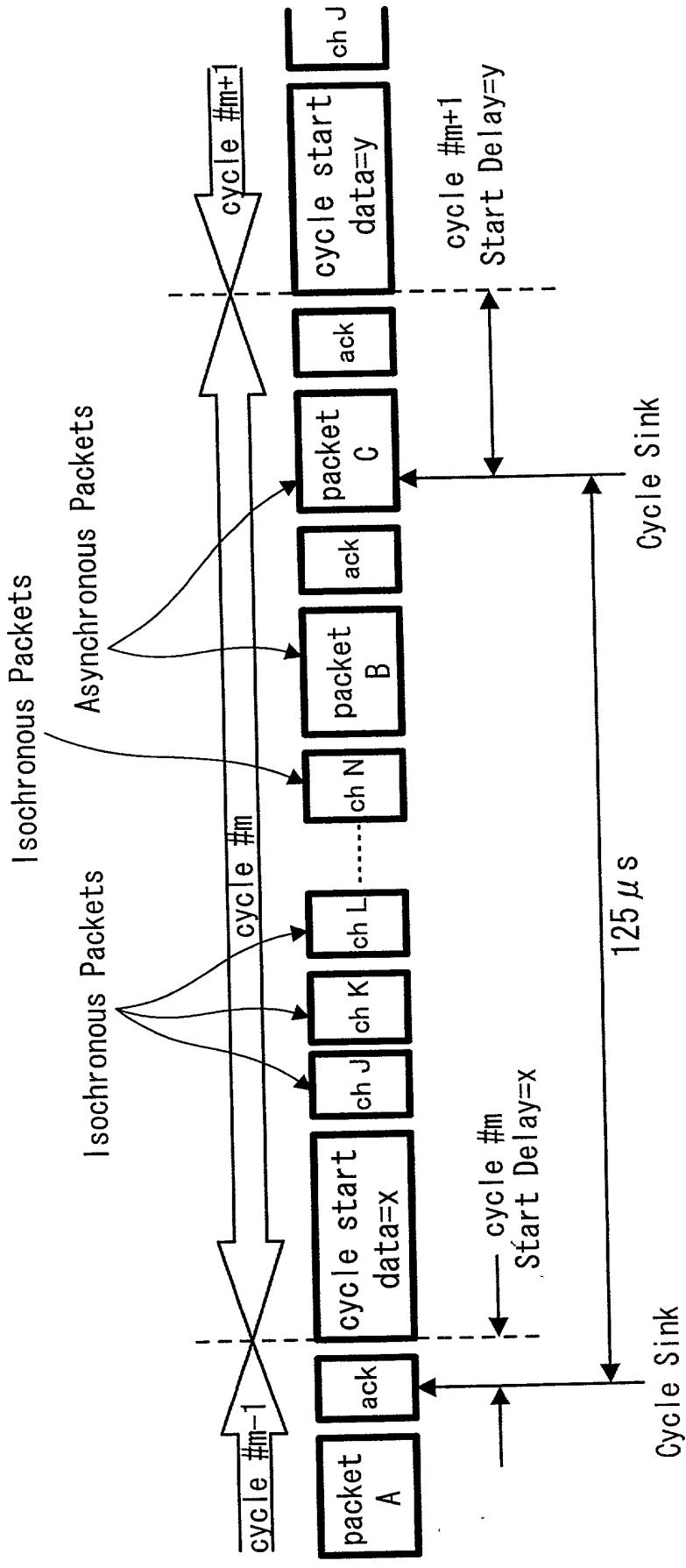


FIG. 2

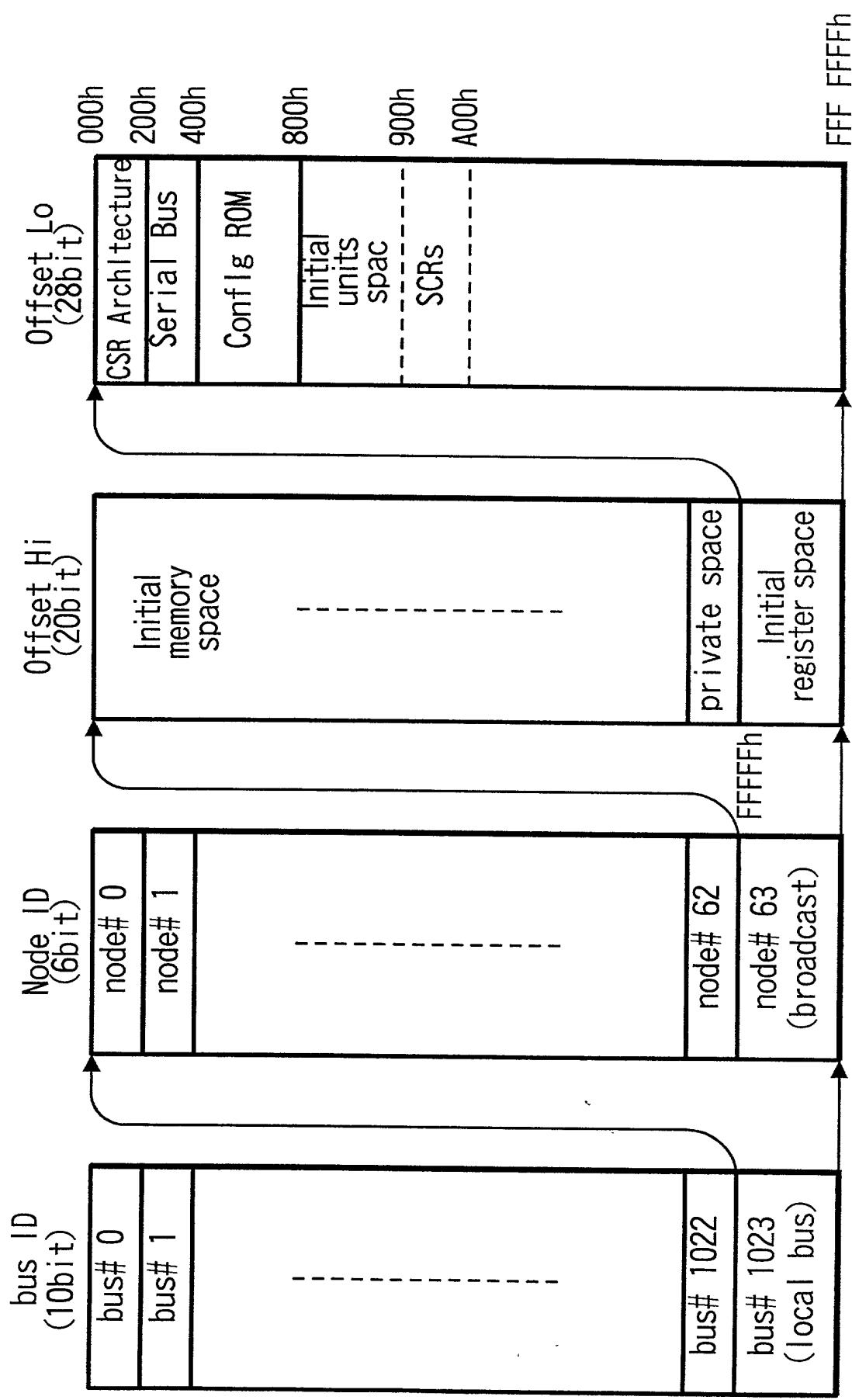


Fig. 3

Offset	Designation	Function
000h	STATE_CLEAR	State and control data
004h	STATE_SET	Set state_clear bit
008h	NODE_IDS	Indicate node ID of 16 bits
00Ch	RESET_START	Start command reset
018h-01Ch	SPLIT_TIMEOUT	Specify maximum time of split
200h	CYCLE_TIME	Cycle time
210h	BUSY_TIMEOUT	Specify limit on retry
21Ch	BUS_MANAGER	Indicate ID of bus manager
220h	BANDWIDTH_AVAILABLE	Indicate band that can be assigned to isochronous communication
224h-228h	CHANNELS_AVAILABLE	Indicate the state where the channels are used

FIG. 4

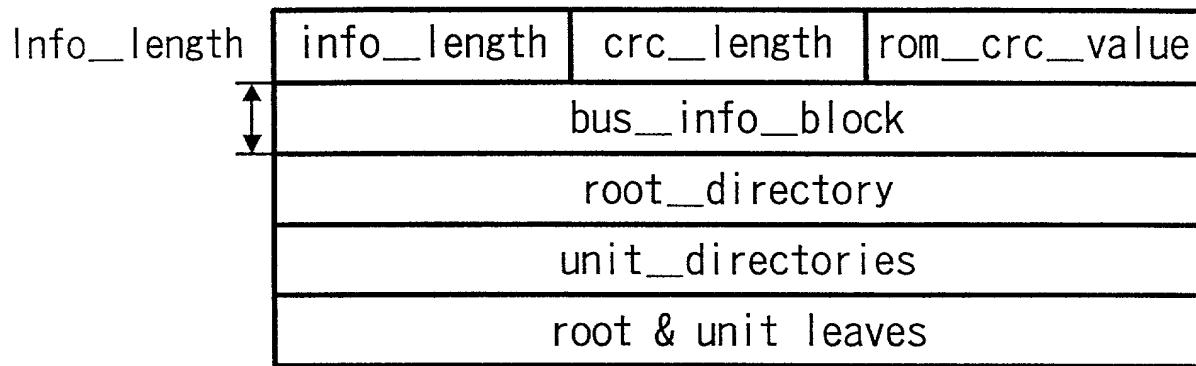


FIG. 6

900h	Output Master Plug Register
904h	Output Plug Control Register #0
	Output Plug Control Register #1
	:
	:
97Ch	Output Plug Control Register #30
980h	Input Master Plug Register
984h	Input Plug Control Register #0
988h	Input Plug Control Register #1
	:
	:
9FCCh	Input Plug Control Register #30

FIG. 5

	04h	crc_length	rom_crc_value
Bus_info_block			
404h			"1394"
408h	rmic	cmic	bmc
40Ch	isc	reserved	cyc_ck_acc
410h	Company_ID	max_rec	reserved
			Chip_ID_hi
Root_directory			
414h	root_length		CRC
418h	03h		module_vendor_id
41Ch	0Ch		node_capabilities
420h	8Dh		node_unique_id_offset
424h	D1h		unit_directory_offset
428h			Optional.
			.
unit_directory			
			CRC
	unit_directory_length		unit_spec_id
	12h		unit_sw_version
	13h		Optional.
			.

F/G. 7A

oMPR

data rate capability	Broadcast channel base	non-persistent extension field	persistent extension field	reserved	number of output plugs
2	6	8	8	3	5 (bit)

F/G. 7B
oPCR [n]

on-line	Broadcast connection counter	point-to-point connection counter	reserved	channel number	data rate	overhead ID	payload
1	1	6	2	6	2	4	10 (bit)

F/G. 7C

iMPR

data rate capability	reserved	non-persistent extension field	persistent extension field	reserved	number of input plugs
2	6	8	8	3	5 (bit)

F/G. 7D

iPCR [n]

on-line	Broadcast connection counter	point-to-point connection counter	reserved	channel number	reserved
1	1	6	2	6	16 (bit)

FIG. 8

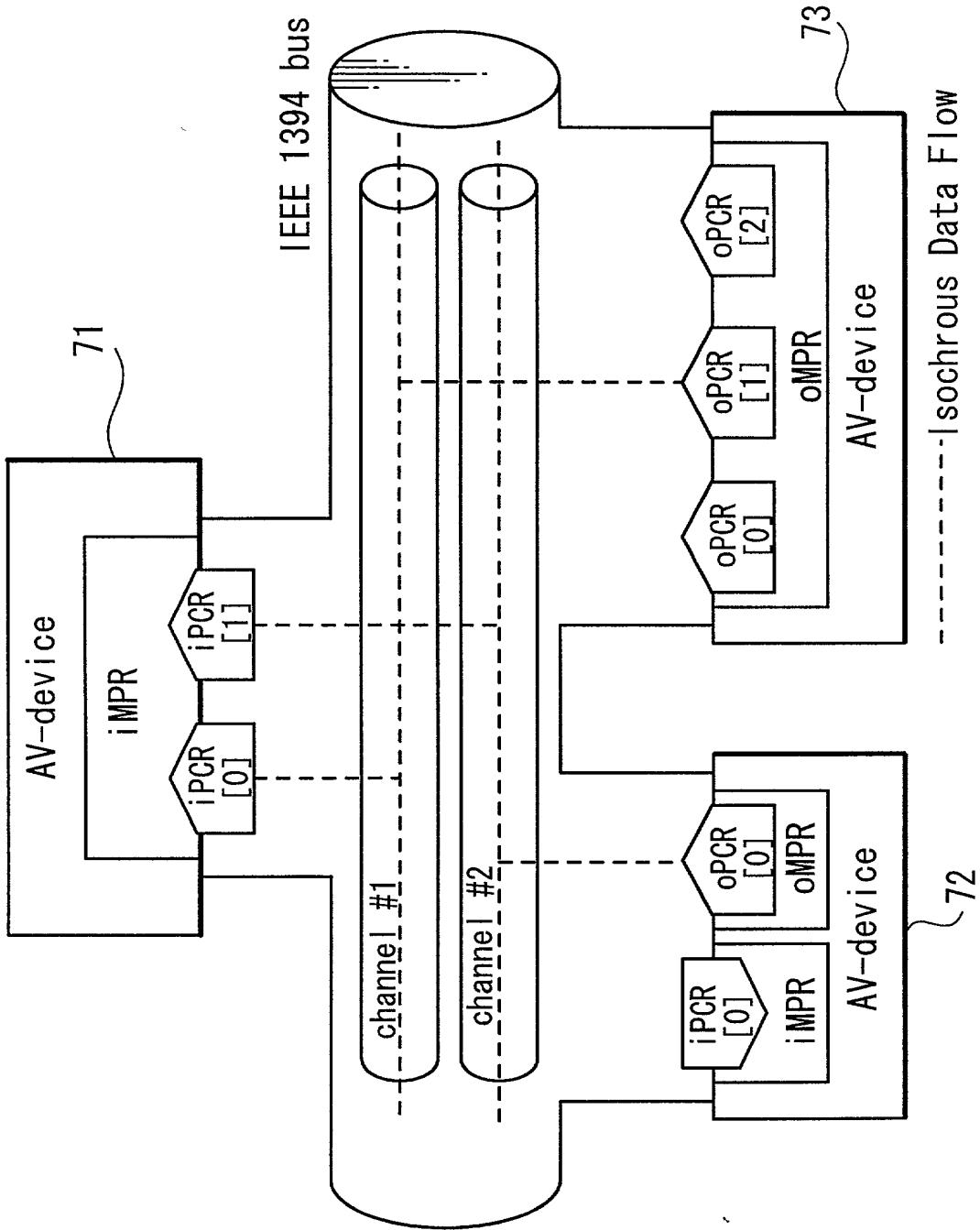


FIG. 9

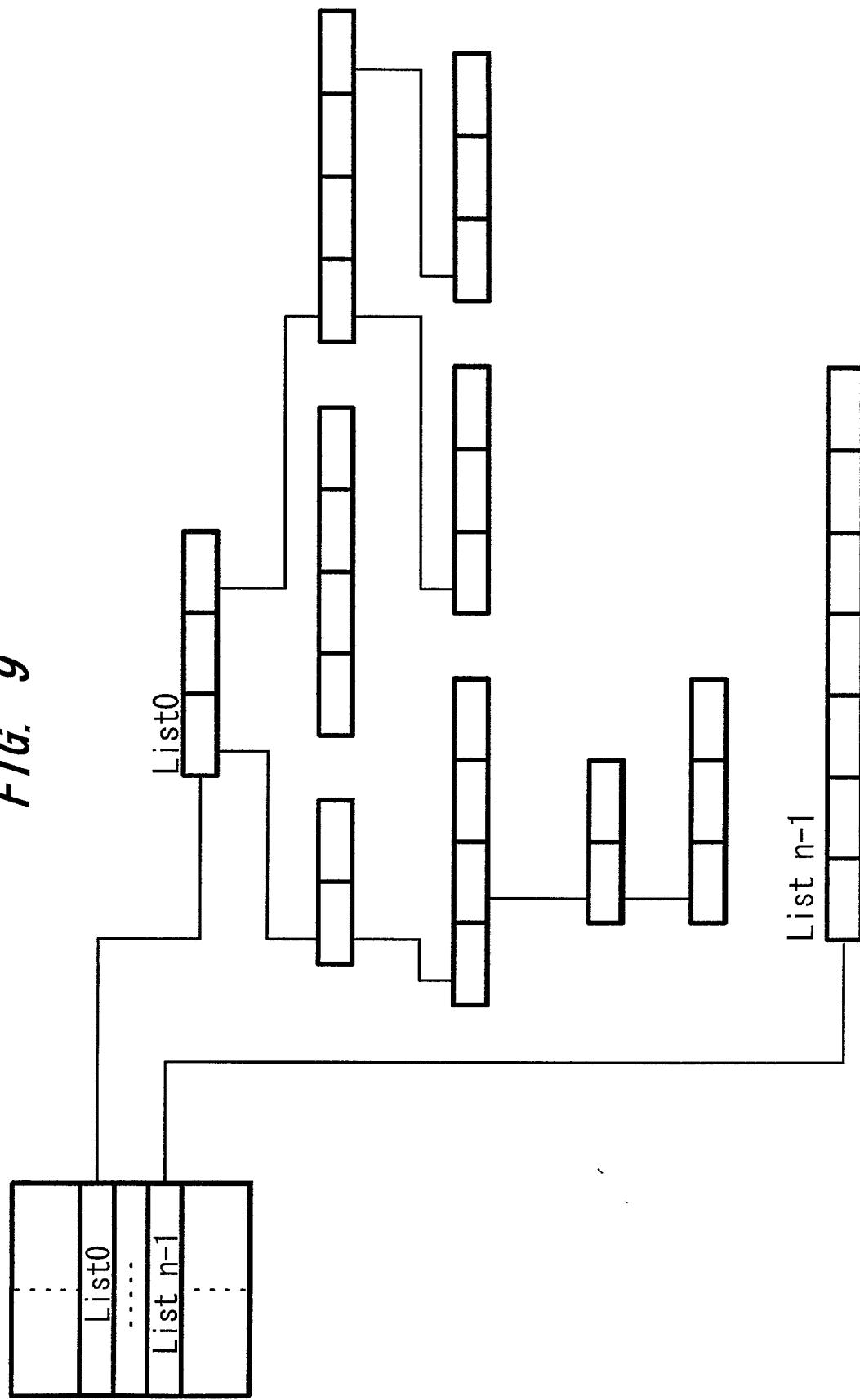


FIG. 10

The General Subunit Identifier Descriptor	
address	contents
00 0016	descriptor_length
00 0116	
00 0216	generation_ID
00 0316	size_of_list_ID
00 0416	size_of_object_ID
00 0516	size_of_object_position
00 0616	number_of_root_object_lists(n)
00 0716	
00 0816	root_object_list_id_0
:	
:	
	root_object_list_id_n-1
:	
	subunit_dependent_length
:	
	subunit_dependent_information
:	
	manufacturer_dependent_length
:	
	manufacturer_dependent_information
:	

FIG. 11

generation_ID values	
generation_ID	meaning
0016	Data structures and command sets as specified in the AV/C General Specification, version 3.0
all others	reserved for future specification

FIG. 12

List ID Value Assignment Ranges	
range of values	list definition
0000 ₁₆ -OFFF ₁₆	reserved
1000 ₁₆ -3FFF ₁₆	subunit-type dependent
4000 ₁₆ -FFFF ₁₆	reserved
1 00016 -max list ID value	subunit-type dependent

FIG. 13

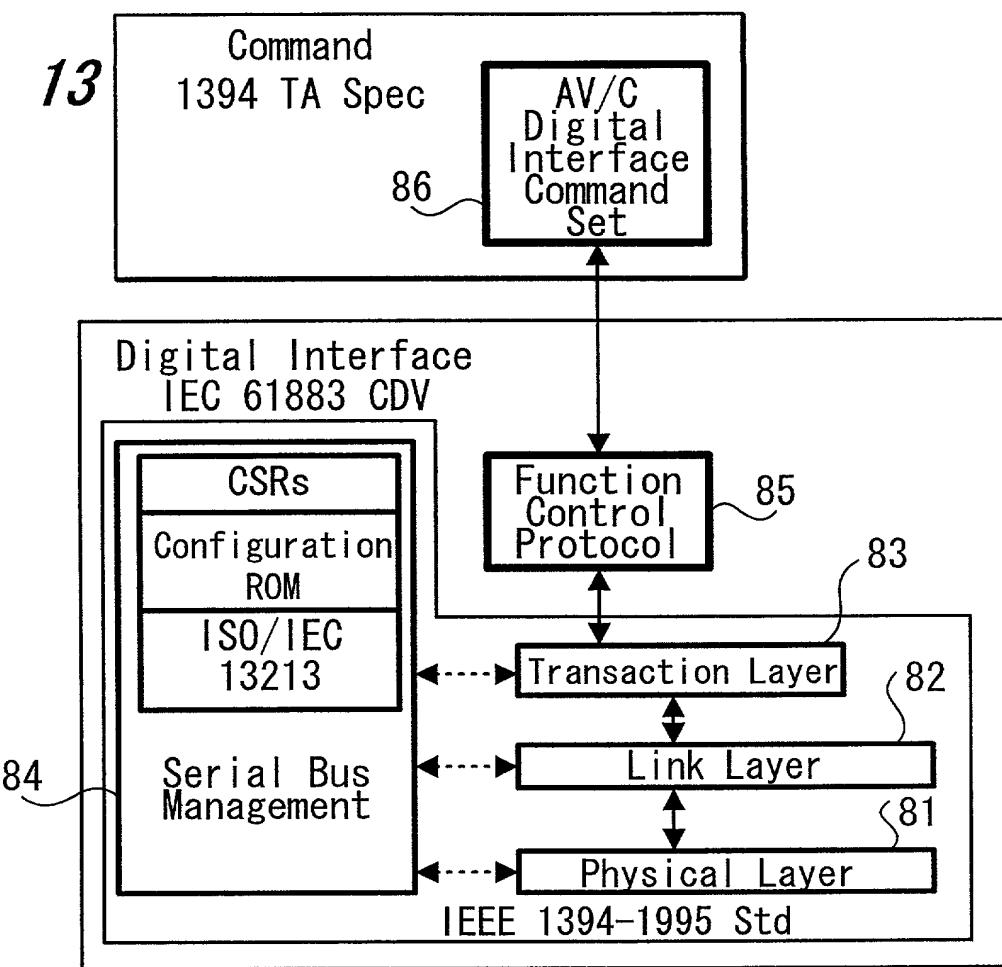


FIG. 14

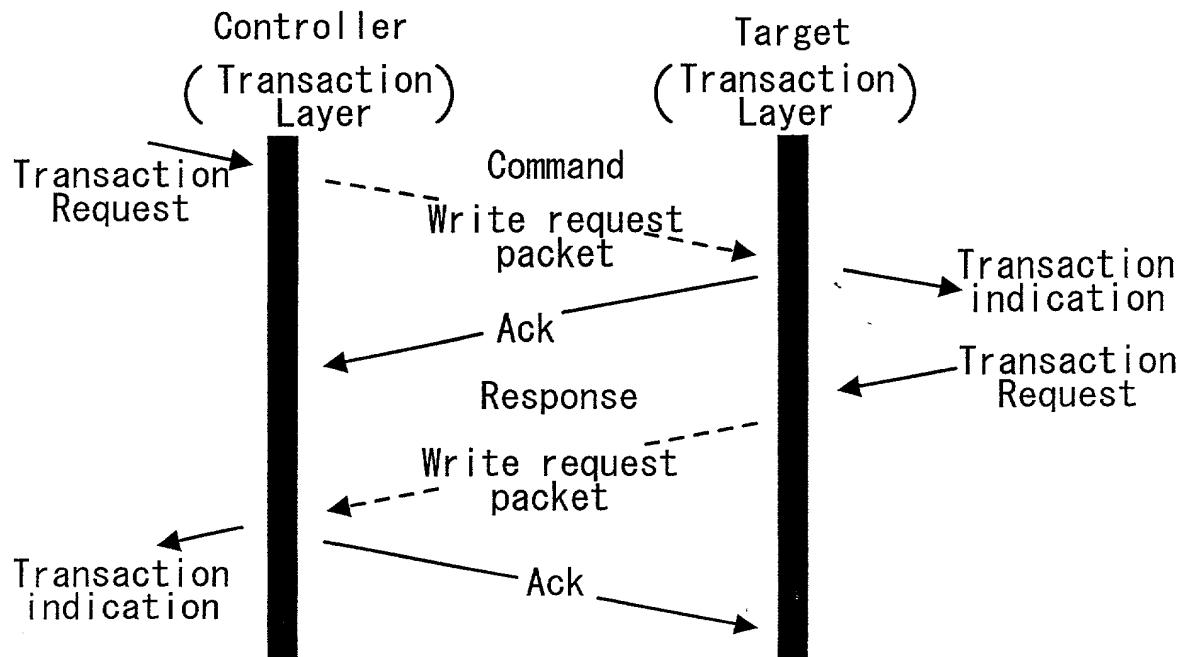


Fig. 15

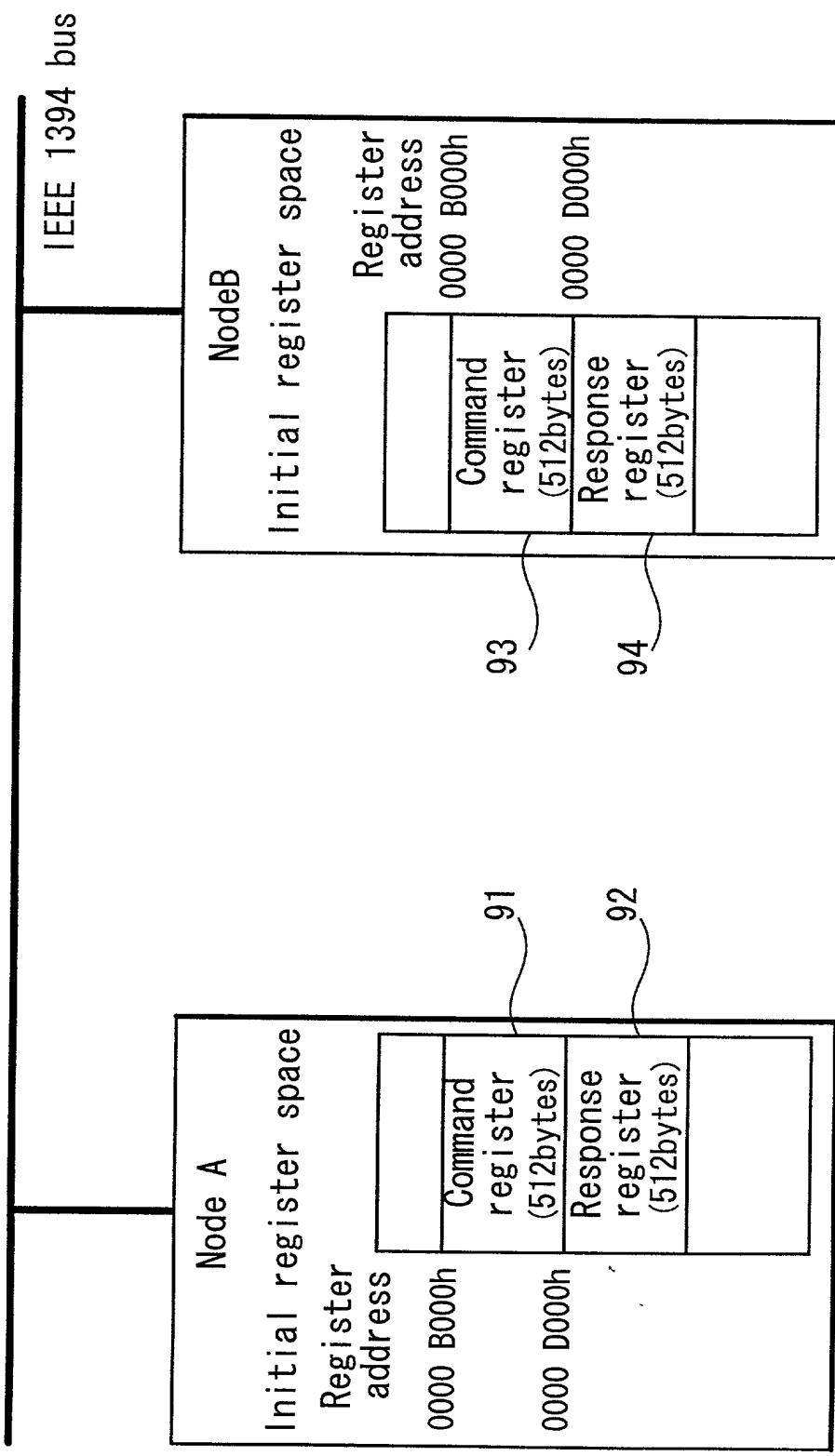
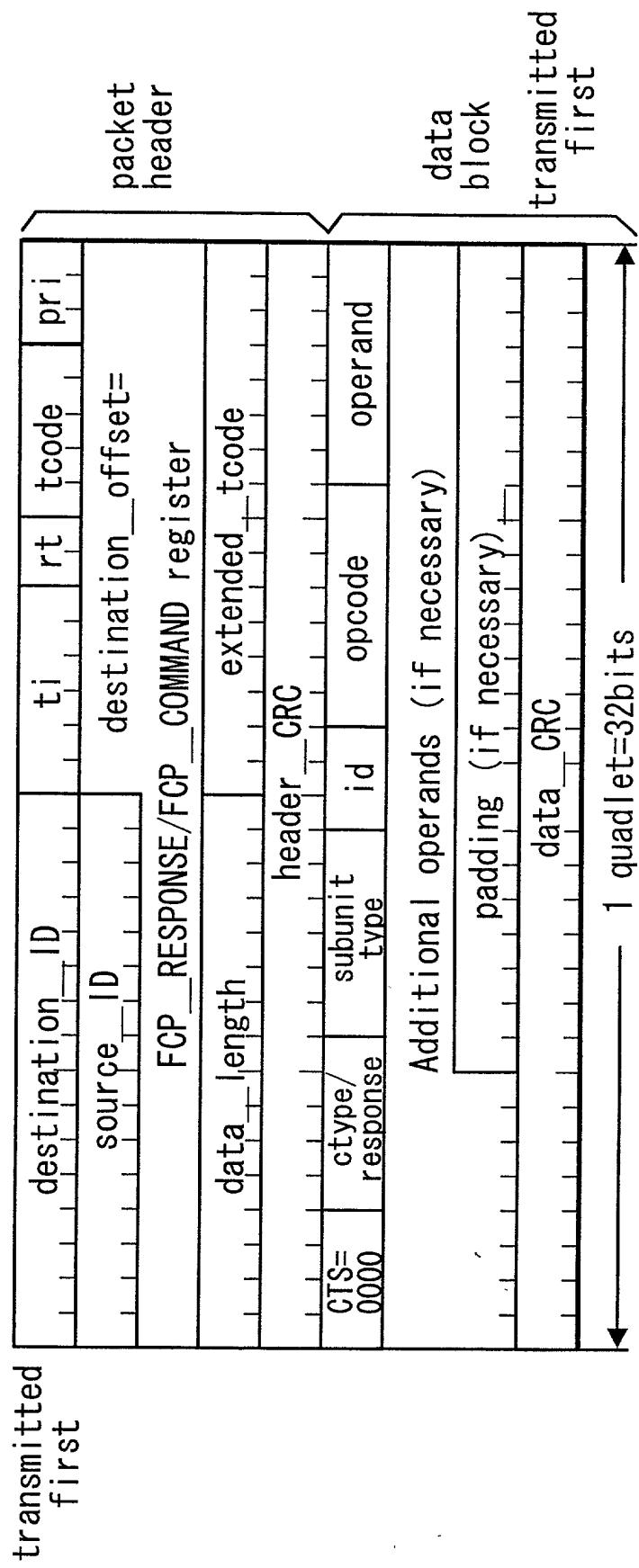


Fig. 16

Asynchronous Packet (Write Request for Data Block)



ctype/response	tape recorder /player			
Command	CT\$=0001	ctype=0000	subunit type=00100	tape recorder /player
	0000 CONTROL STATUS	00000 ~	00000 Video monitor (reserved)	AV/C control
	0001 SPECIFIC INQUIRY	00000 ~	00000 Disc recorder/Player	CT\$=0000
	0010 NOTIFY	00100 Tape recorder/Player	00100 Tuner	accepted
	0011 GENERAL INQUIRY (reserved for future specification)	00111 Video Camera (reserved)	00111 Vendor unique (reserved)	response
	0100 ~	00101 ~	00101 Subunit type extended to next byte	
	0101 NOT IMPLEMENTED	11100 ~	11100 Unit*	
	1000 ACCEPTED	11101 ~	11101	
	1001 REJECTED	11110 ~	11110	
	1010 IN TRANSITION	11111 ~	11111	
	1011 IMPLEMENTED/STABLE CHANGED			
	1100 (reserved for future specification)			
	1101 INTERIM			
	1110			
	1111			

FIG. 17A

ctype/response	tape recorder /player			
Command	CT\$=0001	ctype=0000	subunit type=00100	tape recorder /player
	0000 CONTROL STATUS	00000 ~	00000 Video monitor (reserved)	AV/C control
	0001 SPECIFIC INQUIRY	00000 ~	00000 Disc recorder/Player	CT\$=0000
	0010 NOTIFY	00100 Tape recorder/Player	00100 Tuner	accepted
	0011 GENERAL INQUIRY (reserved for future specification)	00111 Video Camera (reserved)	00111 Vendor unique (reserved)	response
	0100 ~	00101 ~	00101 Subunit type extended to next byte	
	0101 NOT IMPLEMENTED	11100 ~	11100 Unit*	
	1000 ACCEPTED	11101 ~	11101	
	1001 REJECTED	11110 ~	11110	
	1010 IN TRANSITION	11111 ~	11111	
	1011 IMPLEMENTED/STABLE CHANGED			
	1100 (reserved for future specification)			
	1101 INTERIM			
	1110			
	1111			

FIG. 17B

Opcode : Operation Code
00h VENDOR-DEPENDENT
50h SEARCH MODE
51h TIMECODE
52h ATN
60h OPEN MIC
61h READ MIC
62h WRITE MIC
C1h LOAD MEDIUM
C2h RECORD
C3h PLAY
C4h WIND
~

FIG. 17C

AV/C control	tape recorder /player	when ID 0	PLAY	FORWARD
CT\$=0000	ctype=0000	subunit type=00100	id=000 opcode=C3h	oper and=75h
CT\$=0000	accepted	tape recorder /player	id=000 opcode=C3h	PLAY

FIG. 18A

AV/C control	tape recorder /player	when ID 0	PLAY	FORWARD
CT\$=0000	response =1001	subunit type=00100	id=000 opcode=C3h	oper and=75h
CT\$=0000	accepted	tape recorder /player	id=000 opcode=C3h	PLAY

FIG. 18B

FIG. 19

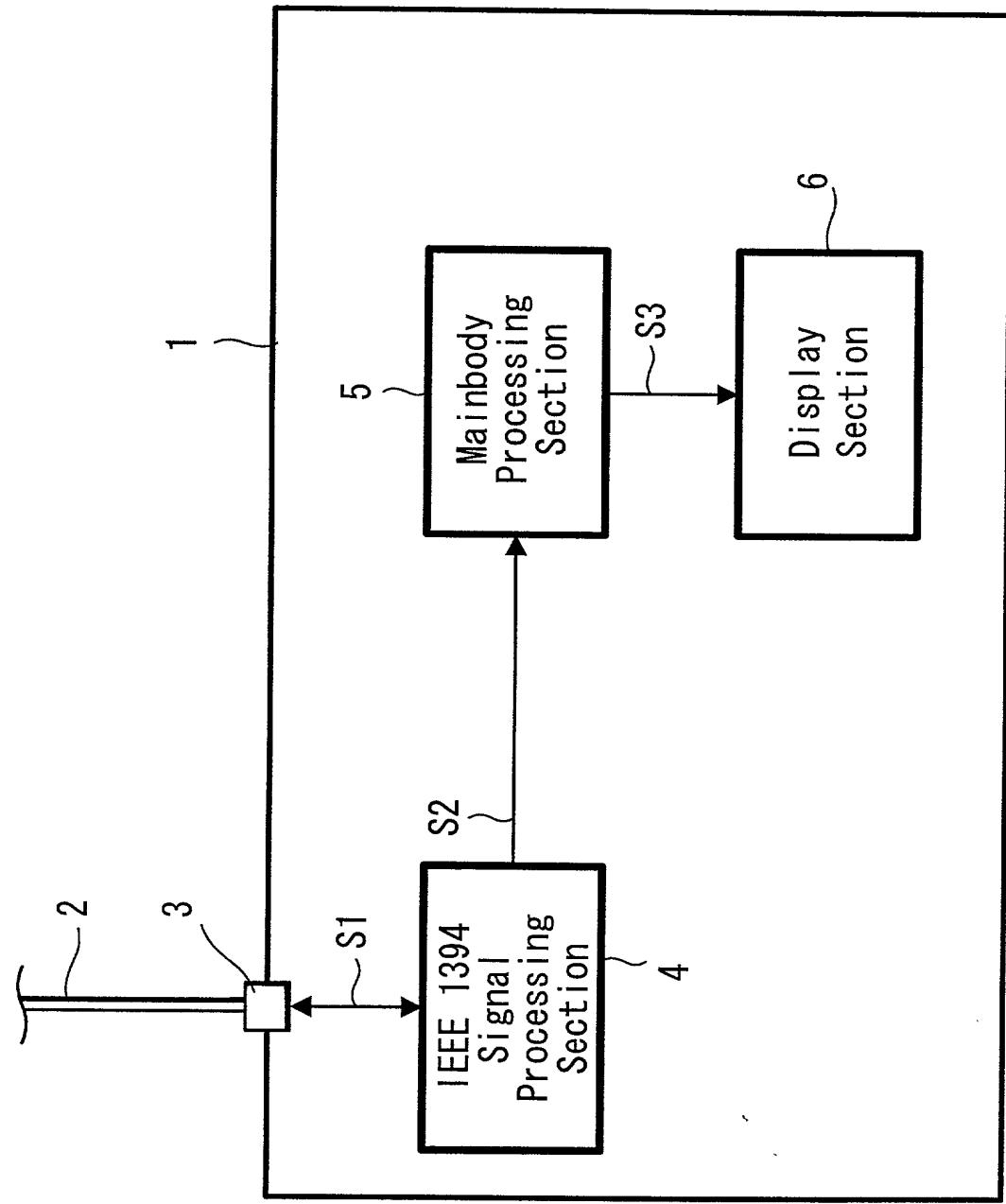


FIG. 20

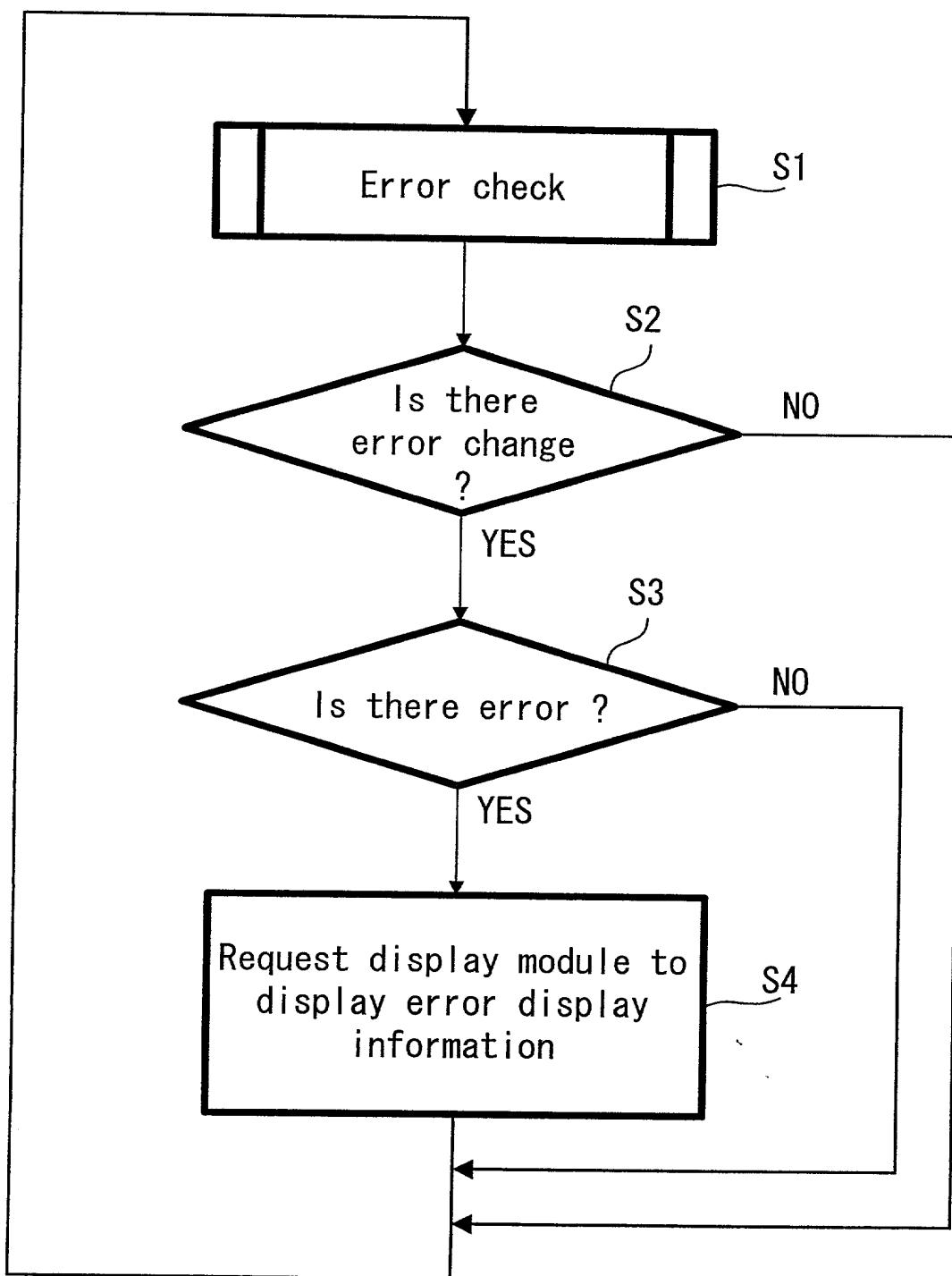
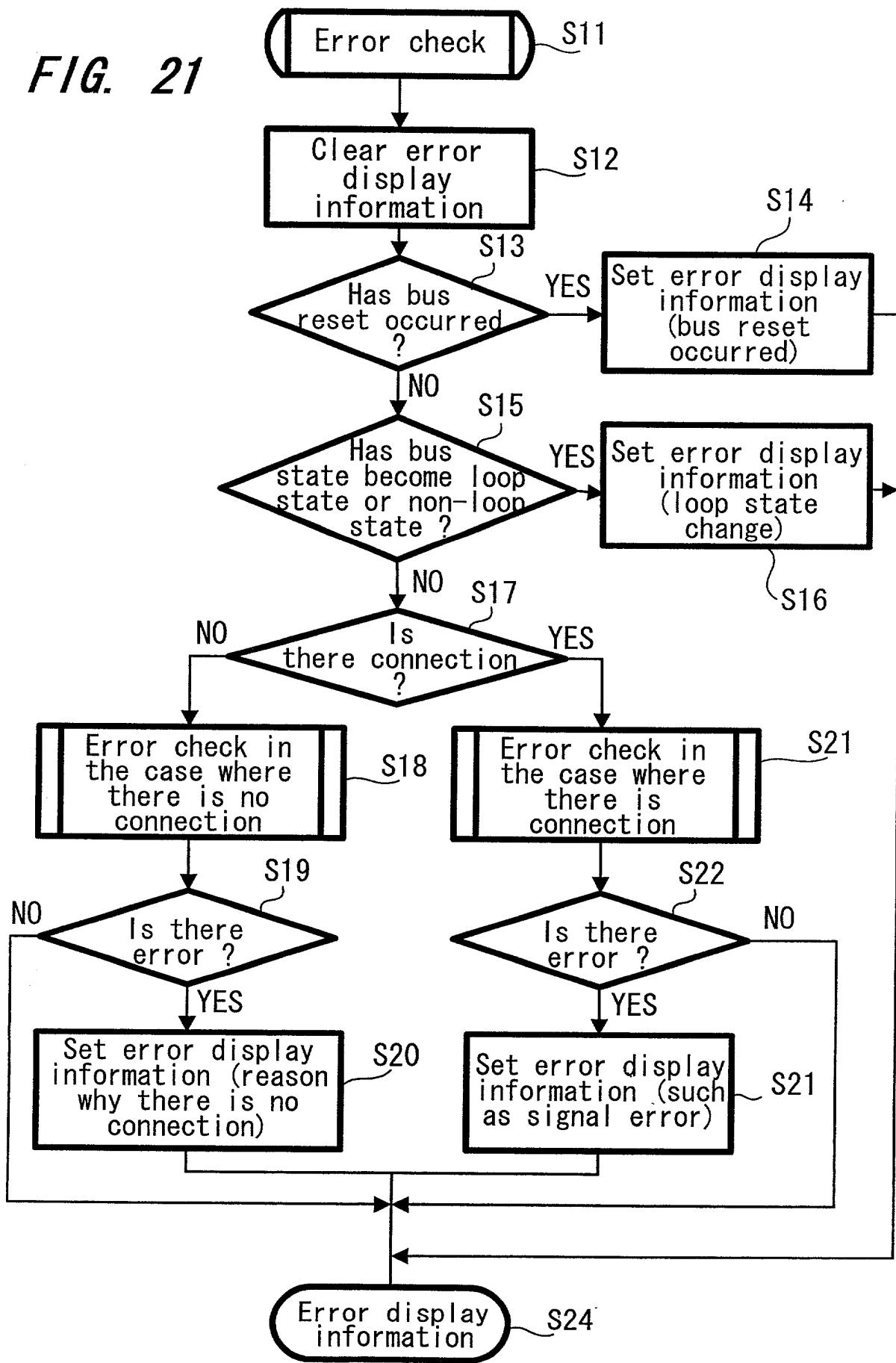


FIG. 21



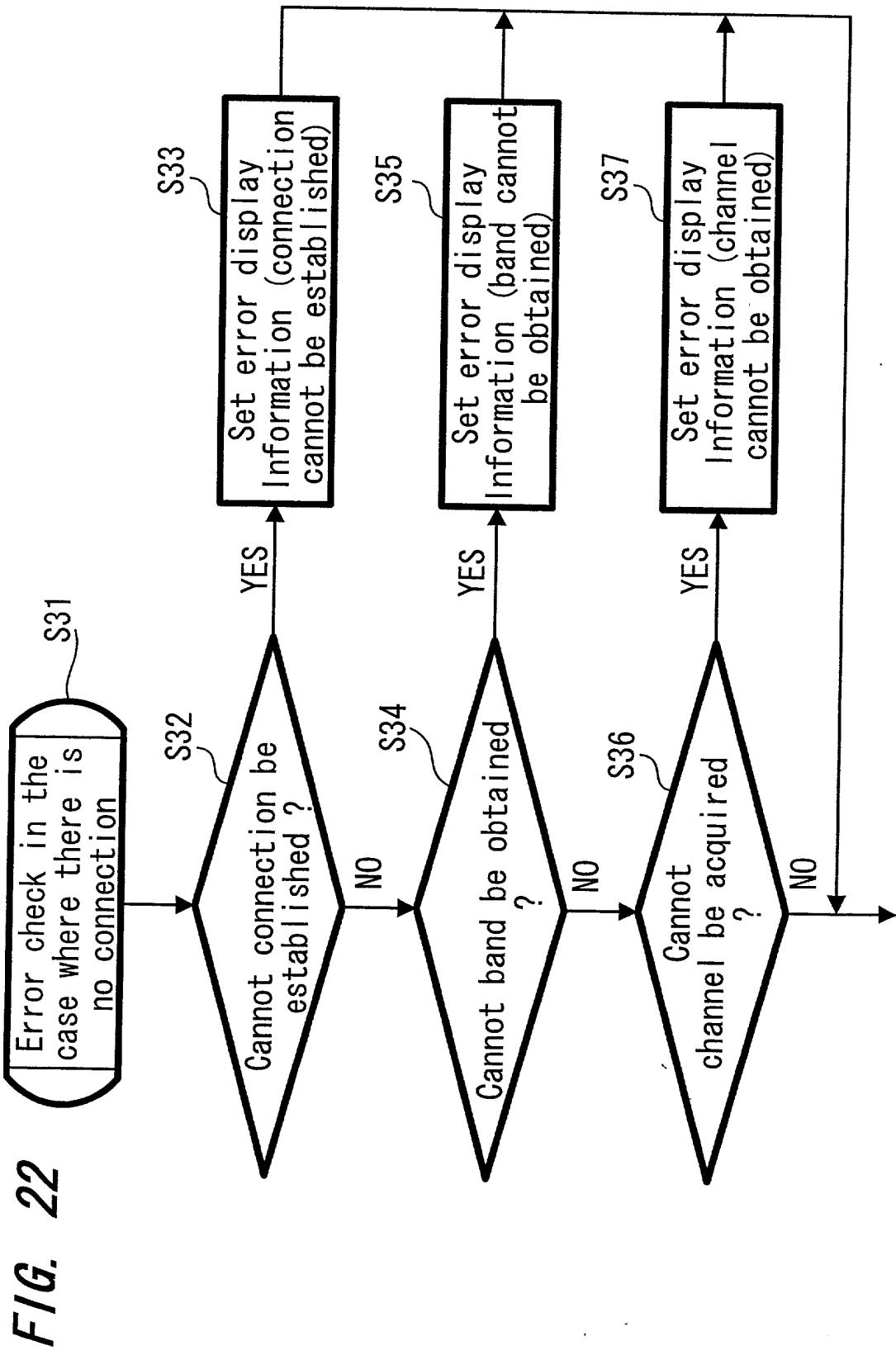


FIG. 23

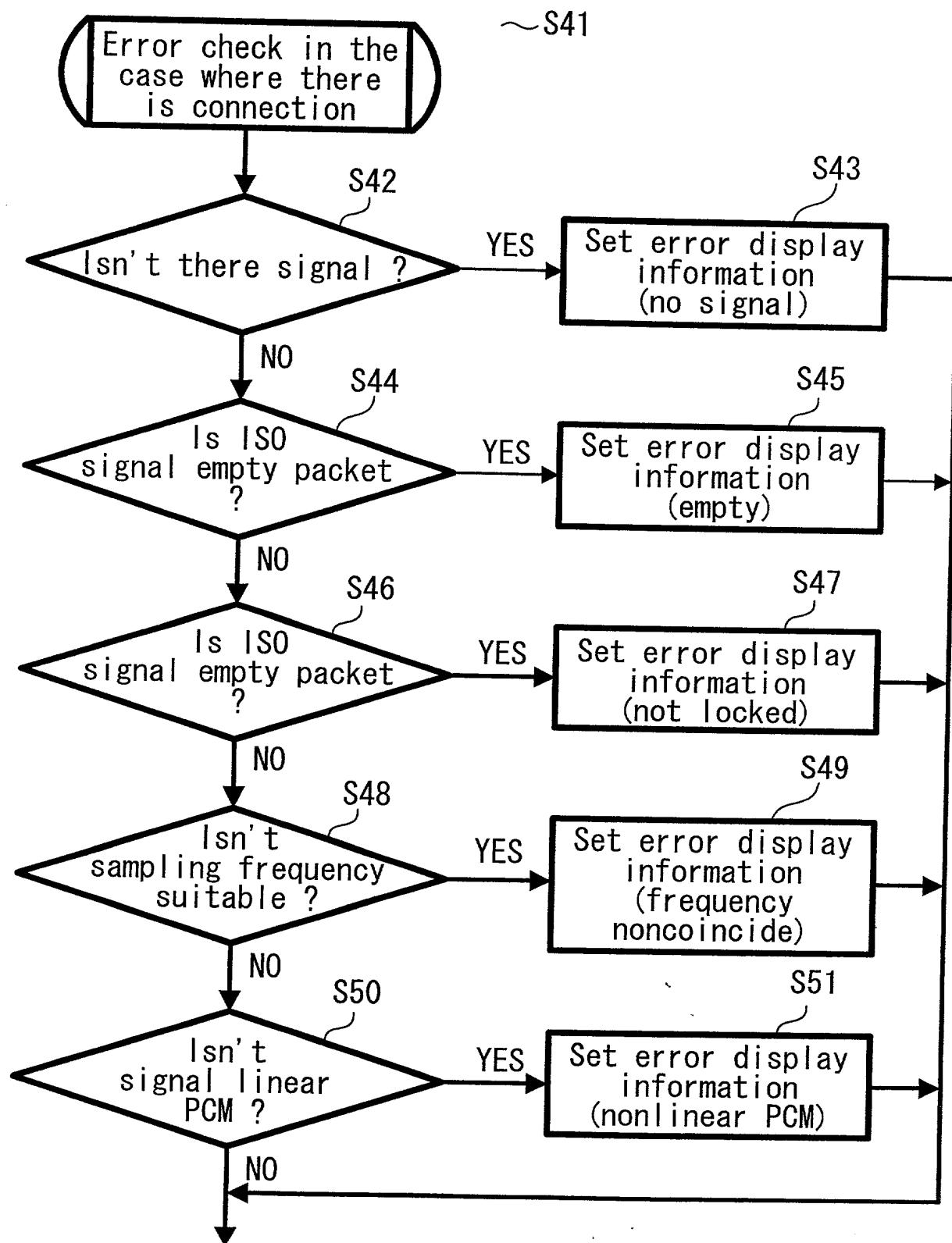


FIG. 24

61

62

Error code number (example)	Display message
C78:11 (At the time of device selection)	The selected is conduction 63 Lines and it cannot goe with more lines
C78:12 (TUNER, ANALOG)	SIR has 63 formed Links and it cannot have more links
C78:22. 22	The case where a different format (signal where cannot be reproduced) it detected
C78:22. 23	22 The format is not IEC958 format
C78:22. 25	23 Discrepancy between N bits (asynchronous) and rate control protocol
C78:22. 26	25 The sampling frequency is not suitable
C78:31	26 The signal is not linear PCM
C78:04	The case where the signal clock is out of standard values and the clock is not established
C78:15. 13	The case where there are not input signals at all during selection of a connection device
C78:15. 14	21 There are no signal
C78:15. 15	13 Band is deficient at the time of input
C78:15. 33	14 Channel is fully occupied time of output
C78:03	15 Band is deficient at the time of output
C78:00	33 Channel is fully occupied time of output
C60:01	Loop has been formed by cable connection
C60:08	Bus reset has occurred (for example in the case where new device is connected)
C60:13	Temperature within the device is rising
	Speaker terminal is short-circuited
	Selected device is not connected

FIG. 25

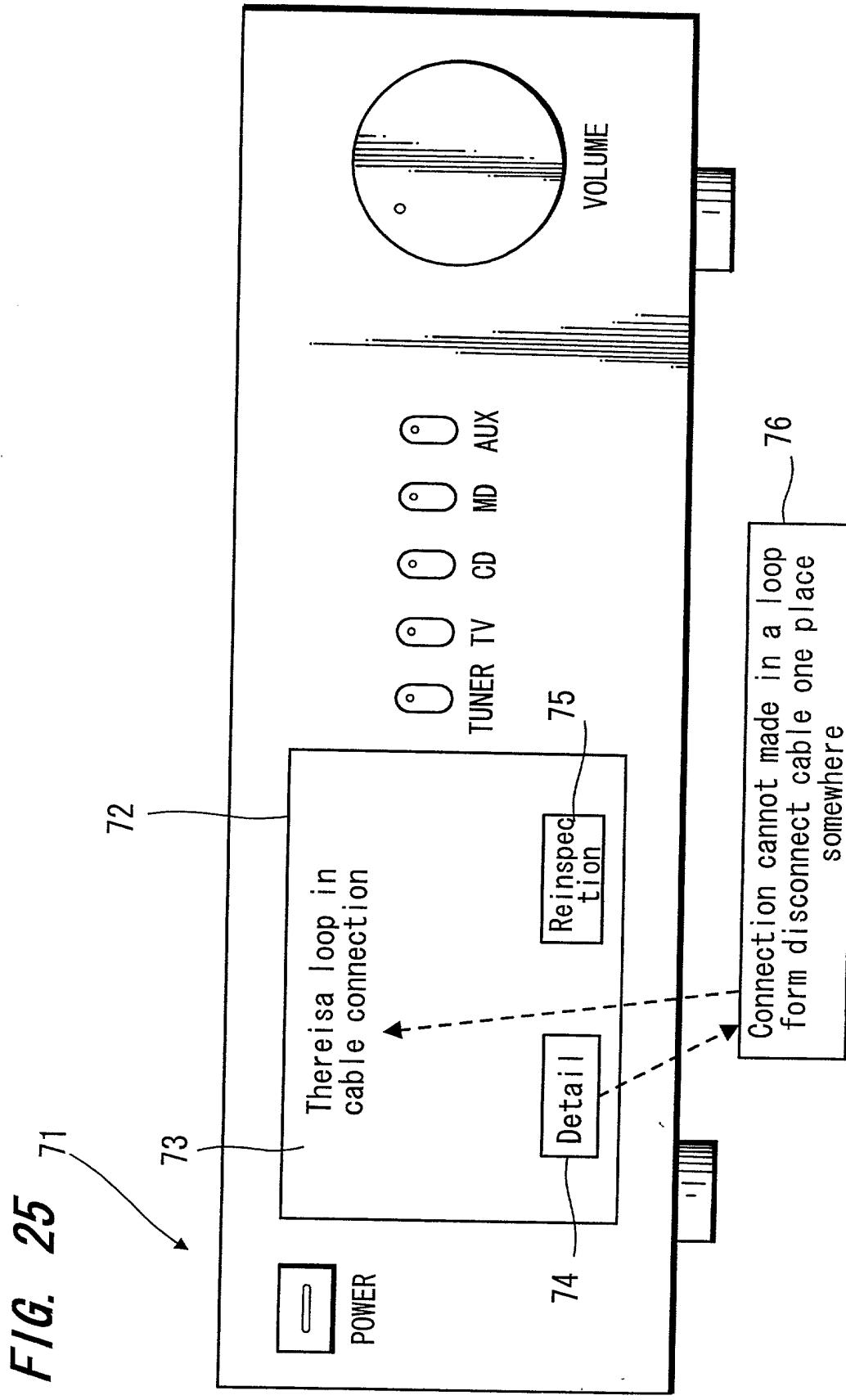


FIG. 26

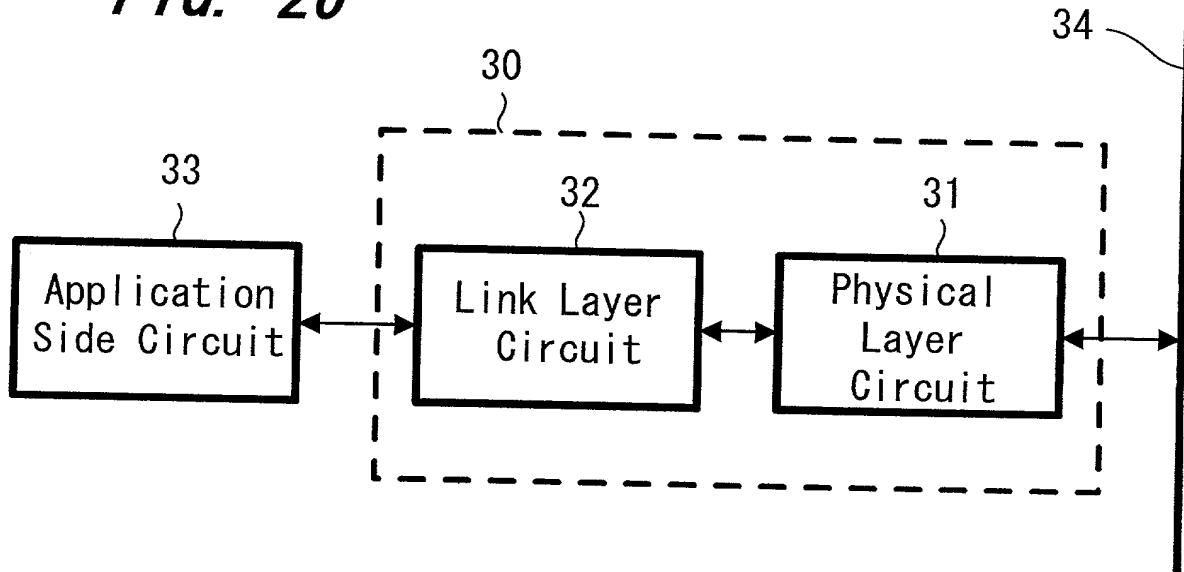


FIG. 27

